

EP 1 189 079 A1

(12)

EUROPEAN PATENT APPLICATION published in accordance with Art. 158(3) EPC

- (43) Date of publication: 20.03.2002 Bulletin 2002/12
- (21) Application number: 00927850.8
- (22) Date of filing: 23.05.2000

- (51) Int CI.7: **G02B 5/30**, G02B 27/28, B41M 3/14, B32B 7/02, B44F 1/12, B42D 15/10
- (86) International application number: PCT/JP00/03292

(11)

- (87) International publication number: WO 00/72056 (30.11.2000 Gazette 2000/48)
- (84) Designated Contracting States:

 AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

 MC NL PT SE
- (30) Priority: 24.05.1999 JP 14399899
- (71) Applicant: Toppan Printing Co., Ltd. Taito-ku, Tokyo 110-0016 (JP)
- (72) Inventors:
 - GOCHO, Satoshi Taito-ku, Tokyo 110-0016 (JP)
 - KIJIMA, Atsushi
 Taito-ku, Tokyo 110-0016 (JP)

- KUBO, Akira Taito-ku, Tokyo 110-0016 (JP)
- ITO, Noriyuki Taito-ku, Tokyo 110-0016 (JP)
- SHINDO, Naoaki
 Taito-ku, Tokyo 110-0016 (JP)
- (74) Representative: Leson, Thomas Johannes Alois, Dipl.-Ing. et al Patentanwälte Tiedtke-Bühling-Kinne & Partner, Bavariaring 4 80336 München (DE)
- (54) LAMINATED COMPOSITE BODY, INFORMATION RECORDING MEDIUM, AND MEMBER FOR IMPARTING COUNTERFEIT PREVENTIVE FUNCTION
- (57) According to the present invention, there is provided a laminated composite (1) including an optical layer (2) having a light reflectivity, and a latent image formation layer (3) containing a liquid crystalline polymer material and provided on one of major surfaces of the optical layer (2), wherein the latent image formation layer (3) includes at least one oriented portion (3a) in an orientation state and at least one non-oriented portion

(3b) in a non-orientation state, and the oriented and non-oriented portions (3a, 3b) constitute a latent image which is unrecognizable by a direct visual observation and recognizable by a visual observation through a polarizing member. Also, according to the present invention, there is provided an information recording medium and a member of imparting a forgery-preventing characteristic including such a latent image formation layer (3).

FIG. 2

3b 30 30 3